

Claims

1. A rock bolt expandable by means of a pressure media for insertion in a borehole and including a connection unit characterized in that the connection unit comprises means (11) for detachable interaction with a expansion means (10) for expansion of the rock bolt (7), as well as with a suspension element (16) connectable to the rock bolt, and in that the connection unit is designed with such external dimensions so that it may be inserted into the borehole.
5. 2. Expandable rock bolt as claimed in claim 1, characterized in that the connection unit comprises a connection sleeve (8) fastened to the rock bolt (7).
10. 3. Expandable rock bolt as claimed in claim 2, characterized in that the connection sleeve (8) comprises means such as a flange (13), against which a rock plate (14) may abut.
15. 4. Expandable rock bolt as claimed in any of claims 1-3, characterized in that the connection unit is fastened to the rock bolt (7) by welding.
20. 5. Expandable rock bolt as claimed in any of the preceding claims, characterized in that the expansion means (10) comprises a nipple that may be inserted into the connection unit.
25. 6. Expandable rock bolt as claimed in any of the preceding claims, characterized in that the connection unit comprises a supporting sleeve (9), surrounding at least parts of the seat of the connection unit.
7. Expandable rock bolt as claimed in any of the preceding claims, characterized in that the rock bolt (7') present a

through canal and a connection nipple (17) on a internal part for connection to a second rock bolt (7'').

8. Expandable rock bolt as claimed in any of the preceding claims, characterized in that the suspension element (16) 5 comprises one of the following: a mounting lug, a single hook, a double hook, a crook or a combination thereof.

9. A rock bolting system comprising an expandable rock bolt as claimed in any of claims 1-8, and an expansion means (10) and a suspension element (16) for interaction with the connection 10 unit of the rock bolt (7).